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October 24, 1988

ASH GROVE CEMENT WEST, INC.  
SEATTLE PLANT EXPANSION

# DEMOLITION SPECIFICATIONS

*Submitted to:*  
*Mr. Paul W. Wrecking (Owner)*  
*Gray M. Wrecking (Don)*  
*P.W. R. Wrecking (Don)*  
*Pacific Wrecking (Don)*  
8-169  
10/24

Demolition work should include all labor, materials, equipment and supervision to disassemble and remove from the site materials, equipment and fixtures indicated. The work, and associated bid breakdown, should be itemized as follows:

- Area 1: Raw Mills, Slurry Tanks and Pneumatic transfer lines to East edge of wharf.
- Area 2: Kilns 1 and 2 including Burner Building, Precipitator and Stack.
- Area 3: Miscellaneous concrete paving.

The contractor shall demolish and remove from the site all wood, metal, glass, brick, masonry and concrete structure, and mechanical equipment within the boundaries of the areas specified above. All concrete tunnels, slabs, pavement, foundations, walls, and other structures shall be demolished to a depth of 6 inches below adjacent grade or 6 inches below bottom of rail in areas around tracks, whichever is lowest. Concrete below 6 inches of adjacent grade should be fractured on a 2 foot grid to allow rapid drainage of water. Completely remove the pile caps at the kiln piers, burner building and stack. All reinforcing steel, that protrudes from foundations or concrete that is not demolished, shall be cut off flush with the concrete.

All salvage materials and equipment will become property of the demolition contractor, except those items identified below:

- \*Symons 4 1/4 foot cone crusher.
- \*Symons rod deck screen.
- \*Belt conveyor, complete including conveyor frame, idlers, belt drive, loading chute and discharge chute, from crusher to Raw Mills feed bins.
- \*Belt conveyor, complete, located in the reclaim tunnel that feeds the crusher.
- \*Two bridge cranes located in the Raw Mill building.
- \*Cement pneumatic system (8" F-K line) from existing cement silos to wharf. Disconnect at the flange at the entrance of the shed over the rail tracks adjacent to the cement silos and the entrance to the wharf.
- \*Miscellaneous tools, pails and items marked by the owner.

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Salvage materials and equipment retained by Ash Grove as identified above shall be stockpiled and cribbed as required at a location on the site on the North side of the property, specific area will be identified by Ash Grove. Equipment should be disassembled, and matchmarked accordingly, to allow reasonable reassembly typically by bolted connections.

The concrete bunkers and walls located West of the clinker storage building and South of the Raw Mills are to be demolished. However, the steel framing that supports the West extension of the clinker craneway is to be left in place. The columns are encased with concrete; all concrete is to be removed except for the column foundations. All steel supports, including the crane rail girders, are to be left in place. Contractor is to provide adequate bracing for stability of structures remaining.

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The roofs of all tunnels within the designated areas shall be demolished, the floors shall be fractured on a 2 foot grid and in such a manner to allow rapid drainage of water. The interior of all tunnels shall be filled with 3-inch minus crushed concrete or other select fill free from debris or other organic matter. Filled material should be compacted by means of a multiple passes of heavy construction equipment or a vibratory plate hand compactor on layers of 8 inch loose lifts.

All concrete rubble is to be crushed to 3-inch minus and used as general fill or removed and legally disposed off site. All reinforcing steel, structural steel plate and shapes, wood, metals, glass and general debris is to be removed from the site by the demolition contractor.

Existing gas, water and storm sewer lines are in the areas of demolition. Demolition contractor is to check all pipes within the demolition areas to make sure they are abandoned and safe prior to removal. The 8" gas line to the burner floor should be cut and capped at the East end of Area 2, all piping in the designated demolition area should be removed. The water and sewer lines should be capped below grade, the integrity of the system should be maintained intact to provide service for continued adjacent operations. The contractor should mark the location of capped and disconnected utilities.

RECALL:  
INTENT IS  
THAT NO  
ROUTING  
IS REQUIRED  
ANYTHING OUTSIDE  
OF THE JOB THAT  
IS DAMAGED  
NEED TO BE  
REPAIRED

Asbestos containing materials may be present at, though not limited to, the precipitator structure, the kiln floor coal ducting and the transite siding.

The demolition contractor should locate these hazardous or toxic materials that are exposed, and identify these in his proposal. The Coal Mill building is located West of the boundary of area 2 containing the burner floor and kilns.

The demo contractor should inspect the siding on the building and the ducting within the building; if hazardous or toxic materials are present they should be identified in his proposal and are to be removed accordingly.

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WILL DO IT.

Contractor should remove the identified hazardous and toxic materials from the site and dispose of same in accordance with all applicable federal, state and local statutes, regulations, ordinances, rules, orders and other laws. Contractor shall indemnify Ash Grove and hold it harmless from any and all liabilities, damages, and losses that may result from contractor's failure to fulfill all its duties and obligations under this paragraph.

In the event the contractor detects any hidden or otherwise additional hazardous or toxic materials during the course of demolition, he should promptly notify Ash Grove. If the presence of such materials threatens health or safety, the contractor shall take immediate action as required by the circumstances and cease salvage and demolition activities. Additional hazardous or toxic materials include, but are not limited to, other asbestos containing materials, petroleum and petroleum residues, PCB transformers.

The contractor will be given opportunity to submit a change order to properly remove these materials; however, Ash Grove will reserve the right to solicit and secure the services of others. The contractor should continue his demolition work, in other areas if necessary, at no additional cost to Ash Grove. In addition, if Ash Grove enters into contract with others to remove additional hazardous materials, the contractor should continue his demolition work and schedule his continued work with the others at no additional cost to Ash Grove.

Approximately 45 feet (6600) of Chromium containing kiln brick are in each of the two kilns. Remove these bricks and promptly stockpile in a designated fashion and location of the adjacent Clinker storage building.

Contractor will assure no runoff enters directly into the Duwamish River during the duration of plantsite activity. Contractor will provide pumps and hoses, if necessary, to divert potential run-off to Ash Grove settling pond on Southwest corner of property for duration of plantsite activity.

The use of explosives is acceptable provided adequate precautions are taken to assure the methods will not crack, structurally disturb or otherwise damage adjacent facilities. The contractor is required to provide adequate temporary barricades around work in progress and to protect existing facilities that are to remain against damage. Contractor

will repair or replace damaged or disturbed facilities resulting from the demolition work.

An electrical contractor, by Ash Grove, is to disconnect all power to the demolition areas. The demolition contractor has responsibility to insure that all electrical cables handled are deenergized.

Ash Grove will provide 110V/15 amp power and potable water.

The demolition contractor will be responsible to secure and pay for all permits required. Leave no open excavations or rubble piles. All excavation restored to grade with sanitary fill. The contractor should leave the site clean and rough-graded for site drainage.

#### ADDENDUM#1

1. Any earth with obvious oil contamination will be stockpiled in a manner similar to chromium containing brick and disposed of by Ash Grove.
2. All sanitary crusher run which, due to volume limitations cannot be used to restore grades, may be left at the site in a single stockpile.
3. Work to be completed within 120 days from receipt of order.
4. 10% retainage be withheld until 30 days after satisfactory completion of the project as determined by Ash Grove's Project Manager.
5. Progress payment will be made based on percentage of the total project area satisfactorily completed as determined by Ash Grove's Project Manager.

#### ADDENDUM #2

1. All bids will be good for 90 days.